

EG&G ROCKY FLATS, INC.

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

-October 28, 1992

92-RF-12698

Halliburton NUS Environmental Corp.

452 Burbank Street

Broomfield, CO 80020

Attn: Ted Bittner

RADIOLOGICAL RISK ASSESSMENT - EML-144-92

Ref: K. D. Anderson ltr, KDA-027-92, to E. M. Lee, Radiological Risk Assessment for Solar Ponds Project, September 29, 1992

In response to a request submitted by Halliburton-NUS, EG&G Radiological Engineering performed a risk assessment for the Solar Pond Area and Solar Pond 207 C/Clarifier Process Train. This assessment focused on the hazard associated with the inhalation of identified radiological contaminants.

Radiological Engineering's assessment determined that the appropriate mitigation of potential hazard would be controlled through the utilization of engineering controls. These controls have been built into the system, such as primary and secondary containment, ventilation control, and High Efficiency Particulate Air (HEPA) ventilation filtration system. The process is designed to provide containment throughout the mixing and casting of the waste stream, further reducing the potential hazard. Therefore, the level of personal protective equipment (PPE) could be downgraded.

Based upon the indicators provided by the risk assessment, Radiological Engineering will require a Modified Level D (per the Site Specific Health and Safety Plan) as a minimum for the process and Level C for spill response or breach of containment.

CLASSIFICATION:

CNI		The Modified Level D PPE consists of work uniform affording minimal protection: used for nuisance contamination only. The Modified Level D equipment requirements are as follows:
CLASSIFIED	X	
FOUO/REL		

1. Coveralls (gray),
2. Safety boots/shoes (steel tow and shank),
3. Gloves (leather and/or rubber), and
4. Safety glasses or chemical splash goggles.

THORIZED CLASSIFIER

SIGNATURE

W. F. 1898

7-79-92

STF

REPLY TO RFP CC NO:

ITEM STATUS

OPEN ☒ CLOSED

☐ PARTIAL

APPROVALS:

FIG & TYPIST INITIALS

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46463 (Rev. 4/52)

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

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Additionally, based on this assessment there are no potential impacts to HNUS operations given this minimum level of requirements for PPE. Please contact S. R. Keith on extension 8523 or digital page 0383 for further assistance in this matter.

E. M. Lee

E. M. Lee
Program Manager
Solar Ponds Remediation Program
EG&G Rocky Flats, Inc.

DAR:apt

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